

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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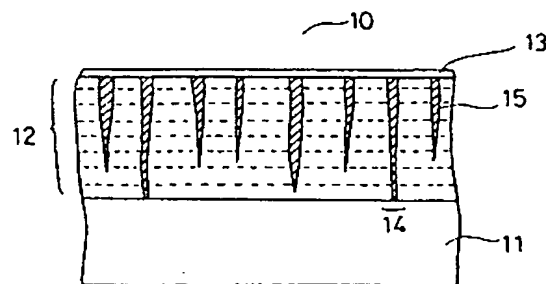
APPLICATION DATE : 11-03-87  
APPLICATION NUMBER : 62057438

APPLICANT : KONICA CORP;

INVENTOR : SHIMADA FUMIO;

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TITLE : RADIATION IMAGE CONVERSION  
PANEL



ABSTRACT : PURPOSE: To decrease deterioration in performance by moisture by providing cracks impregnated with a hydrophobic high-polymer material on a stimuable phosphor layer formed by a vapor phase deposition method.

CONSTITUTION: The stimuable phosphor layer 12 is deposited by the vapor phase deposition method such as vapor deposition method without using a binder, sputtering method or CVD method on a base 11. The base is then heated to about 300°C and is held at said temp. for about 10min in a nitrogen atmosphere, following which the base is quickly cooled to form the stimuable phosphor layer having fine columnar block structures 14, 15 enclosed by crevasses. After the base is immersed in a soln. of silicone oil, etc., the base is dried at about 55°C and is further subjected to a heating treatment is about 150°C. The base is thereafter put into a protective bay consisting of stretched PP, etc., and is subjected to vacuum sealing, by which a protective layer 3 is formed. Moistureproofness to the stimuable phosphor layer which has the good granular characteristic and sharpness and is provided by the vapor phase deposition method is thereby enhanced.

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